

ON THE COLEOPTERA OF NEW MEXICO AND ARIZONA,
INCLUDING BIOLOGIC AND OTHER NOTES.

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A paper giving biologic notes on some New Mexico Coleoptera was published in "Insect Life," Vol. V., p. 37-40; and a paper treating of the blister-beetles or meloids of New Mexico and Arizona, in "Psyche," 1894, p. 100-102. The species mentioned in the former are mostly incorporated in the present paper, those in the latter not at all. These three papers, therefore, will serve as a catalogue, or list with notes, of all the Coleoptera observed by the writer in New Mexico and Arizona, except a few, the names of which it has been impossible to get from those to whom they were sent for determination.

I will not attempt to point out here any peculiarities in the Coleopterous fauna of this region, but let the list speak for itself. The absence, scarcity, and abundance of certain families and groups are interesting, and characteristic as a rule, though I cannot say that the list represents the true proportions, as my collecting was far too meagre.

All the species were determined by Dr. Riley, with the exception of those marked *, which were determined by Mr. Liebeck.

Tetracha Carolina, L.—Las Cruces, N. M. August 21st to Sept. 10th; seven. Grant County, N. M. (W. J. Howard); one.

Cicindela obsoleta, Say.—Grant Co., N. M. (W. J. H.); one. It is 19 mm. long, brownish black, with four creamy markings on each elytron, the inner or fourth one small, resulting from the breaking of the median large one into two.

Cicindela prasina, Lec.—Grant Co., N. M. (W. J. H.); one. It is 17 mm. long, bright vivid green, with six spots on each elytron, the three principal markings each broken into two.

Cicindela longilabris, Say.—San Francisco Mountain, Arizona, July 15th; one. Much like a large specimen of *vulgaris*, but with elytral markings very delicate, indistinct. *

Cicindela pulchra, Say.—Navajo Springs, Arizona, July 24th; ten specimens. Grant County, N. M. (W. J. H.); two large specimens.

Cicindela punctulata, Fab.—Navajo Springs, Arizona, July 24th; one. Grant County, N. M. (W. J. H.); one.

Cicindela micans, Fab.—Las Cruces, N. Mex.; one. Zuni, N. M., July 29th; one. Grant Co., N. M. (W. J. H.); one. Green species.

Cicindela macra, Lec.—Las Cruces, N. M.; four.

Cicindela sperata, Lec.—Winslow, Arizona, July 19th; one. Aztec, Arizona, July 21st; two. Navajo Springs, Arizona, July 24th; five.

Cicindela, sp. indet.—Grand Canon, Arizona. Hance trail; 2,500 to 5,000 ft. below rim. July 8th to 11th; twenty-seven collected. *

Calosoma scrutator, Fab.—Las Cruces, N. M., May 17th, 1892; one. Palomos, N. M., June 15th, 1892; one seen to drop from a cottonwood tree, on which it had doubtless been hunting and devouring *Hemileuca* larvæ that were present on the tree. Another on a tree, and still another taken on ground at a spring. Grant County, N. Mex. (W. J. H.); one.

Calosoma peregrinator, Guér.—Grant County, N. M. (W. J. H.); one. Blackish.

Pasimachus obsoletus Lec.—Grant County, N. M. (W. J. H.); one.

Pterostichus scitulus, Lec.—Zuni, N. M., July 29th, 1892. A green species; one.

Harpalus caliginosus, Fab.—Grant Co., N. M. (W. J. H.); two.

Cymbiodyta fraterculus (? Lec.—? Ilybius).—Soledad Canon, Organ Mountains, N. M. In a north side branch, about two miles up. May 23rd, 1891; one. In same spring with following. A smaller black water-beetle.

Rhantus atricolor, Aubé.—Soledad Canon, Organ Mountains, N. M. Same north side branch, about two miles up. May 23rd, 1891. Numerous specimens (11) taken from a spring full of dead leaves.

Hydrophilus triangularis, Say.—Las Cruces, N. M.; one.

Hydrocharis glaucus, Lec.—Grand Canon, Arizona. Hance trail. July 8th, 1892; one. An oblong-hemispherical black water-beetle, taken in stream. *

Necrophorus guttula, Mots.—Johnson's Basin, Socorro Co., N. M.; one. June 23rd. Black and orange.

Megilla vittigera, Mann.—G. Bar Ranch, Zuni River, Arizona. July 27th, 1892; three. *

Hippodamia sinuata, Muls.—Colorado, N. M., June 14th, 1892; one.

Coccinella oculata, Fab., and var. *abdominalis*, Say.—Las Cruces, N. M. May 22nd, 1892. Many pupæ found on black locust at Central Hotel in Placita. On June 13th, 1892, both the species and the variety were found on mesquite (*P. juliflora*) on road between Detroit and Rincon, N. M., and a great many larvæ were also seen on the mesquite.

Mysia Hornii, Cr.—Turkey Tanks, Arizona, July 1st; one.

Chilocorus, sp. ?—Las Cruces, N. M., July 16th, 1891. Found empty larval skins of a coccinellid on trunks of apple trees. They were in patches of as many as twenty in places, usually just beneath where a large limb branched out from the trunk.

Hyperaspidius trimaculatus, L.—Las Cruces, N. M.

Epilachna corrupta, Muls.—Las Cruces, N. M. Very injurious to beans. (See Insect Life, IV., 26.)

Erotylus Boisduvalii, Chev.—Grant County, N. M. (W. J. H.); one. This is a peculiar beetle, wholly black except the elytra, which are pale yellowish-white, with scattered, very small, shot-like black dots and a little black on outer edge in middle of each elytron.

Dermestes marmoratus, Say.—Chaves, N. M. Aug. 6th, 1892; one.

Attagenus Hornii, Jayne.—Las Cruces, N. M.; one beaten from mesquite (*P. juliflora*), May 12th, 1891. On mesa.

Trogoderma tarsale, Melsh.—Las Cruces, N. M. Found May 9th, in spring mattress of a bed, in some numbers. It was a hair mattress, and the beetles doubtless bred in it.

Anthrenus varius, F.—Las Cruces, N. M. One beaten from flowers of mesquite (*P. juliflora*), May 10th, 1891. On mesa.

Hololepta populnea, Lec.—Las Cruces, N. M., Nov. 14th, 1892. Found under bark of cottonwood log, in wet black inner layers of decaying bark, numbers of adults of this flattened histrid. They were infested with mites. Pupæ of this species were found under cottonwood bark, November 16th and 17th, 1892, in Alameda and *Bosque vedado*. They were enclosed each in a little cell in the inner layers of bark, the cell opening against the sap-wood. The cell is formed of pieces of the inner bark, and is placed between the inmost layers of bark and the sap-wood, being attached to the

former. The pupa is wide, flattened, tapering rather shortly behind, and is slightly hairy anteriorly, with a pair of short anal styles posteriorly. It was bred to the imago state.

Hister Ulkei, Horn.—Zuni, N. M., July 29th, 1892. A black and red histerid.

Paromalus estriatus, Lec.—Las Cruces, N. M., Nov. 14th, 1892. Found under bark of cottonwood, in the wet black inner layers.

Saprinus discoidalis, Lec.—Winslow, Arizona, June 29th, 1892. A greenish-black histerid.

Carpophilus hemipterus, Linn.—Las Cruces, N. M., April, 1892. Found in ensilage by Samuel Steel, in company with some staphylinids. The ensilage was stored the previous summer, and kept tight all winter, so that the beetles had no access except from the adjoining earth. It was covered several feet deep with earth.

Carpophilus pallipennis, Say.—Las Cruces, N. M., May 18th, 1892. Numerous specimens found in yellow flowers of an *Opuntia*, sp., on Tortuga Mt. A dark, reddish-brown species, with elytra yellowish, except at inner basis.

* *Hesperobænus*, n. sp.—Soledad Canon, Organ Mts., N. M. Eating newly-forming flowers of *Dasylirion Wheeleri*. (See Insect Life, V., 38, where it was referred to *Rhizophagus*.)

Sandalus porosus, Lec.—Zuni, N. M., July 31st, 1892; one.

Adelocera rorulenta, Lec.—Hart Little Spring, Arizona, July 4th, 1892; one. A most beautiful brown, bronze-yellow-dusted species.*

Chalcolepidius Webbii, Lec.—Grant County, N. M. (W. J. H.); two.

Alaus lusciosus, Hope.—Las Cruces, N. M., May 26th, 1892; one. Greatly resembles *oculatus*.

Melanotus, sp.—Grant County, N. M. (W. J. H.); one.

Gyascutus planicosta, Lec.—Grand Canon, Arizona. Hance trail. 3,000–4,000 feet below rim. July 10th, 1892; one. Also common at Las Cruces, N. M., on larrea and mesquite. (See Insect Life, V., 38.)*

Gyascutus carolinensis, Horn.—Grand Canon, Arizona. Hance trail. 3,000–4,000 feet below rim. July 11th, 1892. A bronzed species, but smaller than *planicosta*.*

Psiloptera Webbii, Lec.—Las Cruces, N. M., August 19th, 1892. Found six of this large purplish-blue metallic buprestid, with brassy yellow spots, on *Salix longifolia* in the Alameda. It seemed to be eating the leaves. On August 21st many more were found on the same *Salix* in other localities along the *Accequia madre*. One was found also Nov. 14th, 1892, on same *Salix* in Alameda. The beetle is common, but I have never found it on anything else except this *Salix*. Grant County, N. M. (W. J. H.); one.*

Buprestis Nuttalli, Kirby.—Grant County, N. M. (W. J. H.); one. This beautiful species is blackish, with a slight greenish lustre, elytra each with three yellow marks in a longitudinal line near centre, the two posterior ones on the right elytron coalescing by a narrow neck.

Buprestis maculiventris, Say.—Grant County, N. M. (W. J. H.); one. A blackish species.

Melanophila miranda, Lec.—Grant County, N. M. (W. J. H.); two. A beautiful black and yellow species.

Chrysobothris carinipennis, Lec.—Flagstaff, Arizona, July 3rd and 16th, 1892; two.

Chrysobothris debilis, Lec.—Las Cruces, N. M., May 13. A pair in coitu.*

Chrysobothris, n. sp.—Woodruff, Arizona, June 26th, 1892. A single specimen of a beautiful and most vivid metallic green species.

Thrincopyge alacris, Lec.—Las Cruces, N. M. Bred from dead flower-stalks of *Dasyllirion Wheeleri*. (See Insect Life, V., 38, where the species is queried.) June 1st, 1892. One more issued from the flower-stalks gathered May 18th, 1892. Another issued June 6th, 1892.

Thrincopyge ambiens, Lec.—Las Cruces, N. M. Bred from *Dasyllirion Wheeleri* flower-stalks of previous year. August 11th, 1892, after returning from a two-months' field trip, four of the beetles were found dead in the breeding cages. The species is about the size of *T. alacris*, but is deep metallic green with a yellowish border.*

Acmaeodera mima, Gory.—Soledad Canon, Organ Mts., N. M., May 23rd, 1891; one on thistle. Looks much like *A. pulchella*.

Acmaeodera pulchella, Hbst.—Soledad Canon, Organ Mts., N. M., May 23rd, 1891; one on thistle flower.

Acmaeodera culta, Web.—Las Cruces, N. M., August 11th, 1892. A dead specimen found issued from dry flower stalks of *Dasyllirion Wheeleri*. August 18th another had issued.*

Lygistopectus rubripennis, Lec.—Flagstaff, Arizona, July 2nd and 3rd, 1892; two.

Pyropyga fenestralis, Melsh.—Grand Canon, Arizona. Hance trail July 10th, 1892; one. A small blackish lampyrid, with thorax red on sides.*

Chauliognathus basalis, Lec.—Grant County, N. M. (W. J. H.); two.

Chauliognathus scutellaris, Lec.—Las Cruces, N. M., August 19th; one.

Collops bipunctatus, Say.—Grand Canon, Arizona. Plateau on rim at Hance's. July 7th, 1892. Blue-green, thorax fulvous with two black spots; head black at base, including eyes, fulvous anteriorly and antennæ fulvous with great enlargement of third joint.*

Pristoscelis rufipes, Mots.—Las Cruces, N. M. Several beaten from flowers and foliage of mesquite (*P. juliflora*), May 10th, 1891. On mesa. Another beaten from same plant three miles south of Mesilla, May 16th, 1891. This is a very small pubescent elongate beetle. It is smaller, blacker and not so pubescent as *P. suturalis*.

Pristoscelis suturalis, Lec.—Las Cruces, N. M. Several beaten from mesquite (*P. juliflora*), May 16th, 1891, three miles south of Mesilla. A small pubescent beetle.

Cymatodera Belfragei, Horn.—Chaves, N. M., August 6th, 1892; one. Elongate, blackish species.

Trichodes ornatus, Say.—Hart Little Spring, Arizona, July 4th, 1892; two. Grant County, N. M. (W. J. H.); five.*

Clerus spinolæ, Lec.—Las Cruces, N. M. (?).

Hydnocera tricondylæ, Lec.—Cocanini Plateau, Arizona, July 6th, 1892; one.

Lucanus mazama, Lec.—Grant County, N. M. (W. J. H.); one ♀.

Platycerus oregonensis, Westw.—Hart Little Spring, Arizona, July 14th, 1892; three.*

Phanaeus quadridens, Say.—Grant County, N. M. (W. J. H.); one ♂. This species is same size as *difformis*, but dark green without

bronzy lustre, and elytra smooth. The strong backwardly curved horn on head of ♂ reaches back nearly to base of elytra.

Phaneus difformis, Lec.—Grant County, N. M. (W. J. H.); 2 ♂'s and 1 ♀.

Atenius laeviventris, Horn.—Las Cruces, N. M. Flying in summer.

Aphodius granarius, Linn.—Santa Fé, N. M., April 20th, 1892.

Mr. J. F. Wielandy sent this species, reporting it to be doing extensive damage to his hot beds by issuing in immense numbers from the compost in the beds, thus throwing out the newly-sprouted seedlings, roots and all. Destroyed three-fourths of his young plants. He reports that "thousands upon thousands" issued. The layer of compost consisted of old rotten manure mixed with earth, and was put on top of the beds. Beneath this was a three-foot layer of fresh dung to furnish heat. The injury was done by the mere mechanical force of the issuing of the insects.

Ochodæus striatus, Lec.—Winslow, Arizona, July 19th, 1892; one. A small pale rufous scarab.

Macrodactylus uniformis, Horn.—Near Rincon, N. M., June 13th, 1892; one. On mesquite or weeds.

Diplotaxis brevicollis, Lec.—Apache Spring, Socorro County, N. M., June 21st, 1892; one. Black species.*

Diplotaxis truncatula, Lec.?—Rincon, N. M., June 14th, 1892; one. Blackish species.*

Diplotaxis Haydenii, Lec.?—Rincon, N. M., June 13th, 1892; one. Rufous brown species.*

Listrochelus disparilis, Horn.—Continental Divide, Tenaja, N. M., August 1st, 1892; six specimens, attracted to light of camp fire at night.*

Listrochelus scoparius, Lec.—Continental Divide, Tenaja, N. M., August 1st, 1892; six specimens, attracted to light of camp fire at night Flagstaff, Arizona, July 3rd, 1892; one.*

Polyphylla 10-lineata, Say.—Flagstaff, Arizona. A 1 Ranch, Arizona Cattle Co., July 15th, 1892; one. Attracted to light in evening. A gray-brown scarab, conspicuously striped with whitish.

Plusiotis gloriosa, Lec.—Grant County, N. M. (W. J. H.); three.

Cyclocephala immaculata, Oliv.—Las Cruces, N. M. Attracted in numbers to light in houses in evenings in summer. A pale coloured chafer.*

Ligyryus gibbosus, DeG.—Las Cruces, N. M. Attracted to light.*

Ligyryus ruginasus, Lec.—Grant County, N. M. (W. J. H.); one. Light yellowish-rufous in colour.

Xyloryctes satyrus, Fab.—Grant Co., N. M. (W. J. H.); one ♀.

Strategus julianus, Burm.—Grant Co., N. M. (W. J. H.); a pair, ♂ ♀.

Dynastes tityus, Linn.—Grant County, N. M. (W. J. H.); one ♂. This species may be known by the lower or cephalic horn having two prongs at the end, and by the short stout spine at lower base of thoracic horn. Length to tip of horns, over 60 mm.; width, 26 mm.

Dynastes Grantii, Horn.—Grant County, N. M. (W. J. H.); one ♂. But slightly smaller than *D. tityus*, the lower or cephalic horn shorter and simple at end, and no spine at base of thoracic horn.

Allorhina mutabilis, Gory.—Grant County, N. M. (W. J. H.); Las Cruces, N. M. In some specimens the green is restricted to the inner basal portion of each elytron.

Gymnetis, sp.—Grant County, N. M. (W. J. H.); one. A soft black cetoniid, with hardly a greenish shade except below.

Euphoria Kernii, Hald.—Las Cruces, N. M., June 28th, 1891. There are two forms of this species. Six were taken of the beautiful yellowish or flavous, and three of the blackish with creamy markings on elytra; all flying about over ground in sandy and bear spot near sheds at College.

Euphoria inda, Linn.—Grant County, N. M. (W. J. H.); one.

Cremastochilus crinitus, Lec.—Grant County, N. M. (W. J. H.); one. Wholly brownish-black.

Derobrachus geminatus, Lec.—Las Cruces, N. M. A female specimen taken is 83 mm. long by 26 mm. broad. This is a giant prionid. A male specimen was taken August 22nd, which was 54 mm. long by 16½ mm. broad. It is elongate, narrowed and shining brown.

Prionus californicus, Mots.—Las Cruces, N. M. A female specimen is 53 mm. long by 23 mm. broad. Antennæ are not stout in this sex. Another female taken by W. J. Howard in Grant County (1882) is 40 mm. long by 17 mm. broad. A male, with

heavy serrate antennæ, was taken in Holbrook, Arizona, June 26th. Another male was taken by Mr. W. J. Howard, in Grant County. It measures 38 mm. long by 15 mm. broad.

Criocephalus productus, Lec.—Cedar Ranch, Arizona, July 6th; one. Blackish in colour.

Rhomaleum simplicicolle, Hald.—Grant County, N. M. (W. J. H.); two.

Dendrobias quadrimaculatus, Dup.—Las Cruces, N. M. The male has long clasp-like mandibles. But some males also occur which are smaller, and have smaller clasp-like mandibles. Two on *Prosopis juliflora*, June 25th, ♂ ♀, but taken separately. Seven on *Sphaeralcea angustifolia*, June 30th, one pair being *in coitu*. One on willow (*Salix*), July 16th.

Stenaspis verticalis, Serv.—Las Cruces, N. M., June 28th; one. On *Prosopis juliflora*. This species differs from *S. solitaria* by the thorax being reddish or brownish-yellow. A specimen taken on same plant June 29th, Las Cruces, N. M., has also the front half of elytra more or less reddish, like the thorax.

Stenaspis solitaria, Say.—Las Cruces, N. M., June 28th, 1891. One of this very large, elongate, pure black longicorn on mesquite (*P. juliflora*). June 29th, 1891. Another on same plant.*

Tragidion annulatum, Lec.—Grant County, N. M. (W. J. H.); one. The antennæ are shorter and stouter than in *T. fulvipenne*, and yellow on median portion.

Tragidion fulvipenne, Say.—Winslow, Arizona, June 29th; one. On plant No. 261, N. M. Agricultural College Herbarium. A black species, with elytra orange-yellow except at bases.

Aethecerus latecinctus, Horn.—Mesilla, N. M., May 16th. On mesquite. Beaten from flowers of *P. juliflora*, three miles south of Mesilla. It much resembles a *Neoclytus*.

Batyle suturalis, Say.—Las Cruces, N. M.; three.*

Schizax senex, Lec.—Las Cruces, N. M., March 27th; one. On mesquite (*P. juliflora*); on a twig.

Tylosis maculata, Lec.—Sabinal, N. M., August 7th. One specimen having two black spots at base of each elytron, and a larger one near tip. One from Grant County, N. M. (W. J. H., 1882),

has the spot near tip of elytron very large, and also another intermediate one same size. Another from same source lacks the spot near tip; while still another lacks also the middle or intermediate spot, thus having only the two spots at base of each elytron. The species is orange-red, with head, antennæ and legs black, and with five black spots on proscutum.

Crossidius intermedius, Ulke.—Las Cruces, N. M. Common on a yellow-flowering weed (*Solidago* sp. ?).

Stenosphenus debilis, Horn.—Grand Canon, Arizona. Hance trail; 3,000–4,000 feet below rim. July 11th, 1892; one. A small elongate blackish longicorn.*

Neoclytus irroratus, Lec.—Grant County, N. M. (W. J. H.); one. Rather stout, with rounded prothorax, and femora thickened apically; soft brown in colour, faintly whitish on elytra.

Rhagium lineatum, Oliv.—Grant County, N. M. (W. J. H., 1882); one.

Acmaeops pratensis, Laich.—San Francisco Mt., Arizona, July 15th, 1892; one. A small short lepturian, with pale yellowish elytra, having a dark vitta on each from shoulder to a point two-thirds of the way to tip.*

Pachyta liturata, Kirby.—Grant County, N. M. (W. J. H.); one. A rather broad lepturian, blackish in colour except elytra, which are pale yellowish, each with broad longitudinal brown vitta but little narrower than the elytron.

Leptura propinqua, Bland.—Hart Little Spring, Arizona, July 14th, 1892; one. An elongate black lepturian. Elytra straw-coloured, with one black spot in middle on outside, tips black, and a very faint black spot outside anteriorly.*

Leptura convexa, Lec.—San Francisco Mt., Arizona, July 15th, 1892; one large and two smaller ones. Hart Little Spring, Arizona, July 14th; one.*

Leptura aspera, Lec.—Grant County, N. M. (W. J. H.). The number of this specimen was lost, but I am quite sure the locality is Grant County. It is a uniformly opaque black species.

Monohammus titillator, Fab.—Flagstaff, Arizona, July 2nd; one.

Tetraopes femoratus, Lec.—Seneca Ranch, Apache County, Arizona, June 25th, 1892; six specimens on a large broad-leaved *Asclepias*.* Grant County, N. M. (W. J. H.); one.

Coscinoptera axillaris, Lec.—Las Cruces, N. M.; one. This is a gray species with red on the outer base of elytra.

Cryptocephalus leucomelas, Suffr.—Grand Canon, Arizona. Hance trail. July 11th, 1892; one. A yellow and rufous brown species.*

Cryptocephalus, sp.—Las Cruces, N. M., May 16th, 1891. Three specimens, two *in coitu*, on growing stalks of a *Solidago*, three miles south of Mesilla. This is a species of a beautiful clear yellow colour. It could not be specifically determined either in Washington or Philadelphia, a specimen having been sent both to Dr. Riley and to Mr. Liebeck.

Cryptocephalus, sp.—Hart Little Spring, Arizona, July 4th, 1892; one.*

Chrysochus auratus, Fab.—Las Cruces, N. M., August 19th; two.

Doryphora rubiginosa, Rog.—Grant County, N. M. (W. J. H.); three. A tawny species.

Chrysomela dislocata, Rog.—Las Cruces, N. M., June 29th to 30th. On *Sphaeralcea* (*Malvastrum*) *angustifolia*. (See Insect Life, V., p. 39.)*

Chrysomela serpentina, Rog.—Las Cruces, N. M. Last of June. On *Sphaeralcea angustifolia*.*

Chrysomela sylvia, Stal.—Grant County, N. M. (W. J. H.); three.

Diabrotica vittata, Fab.—Las Cruces, N. M., July 8th, 1891. In small numbers on squashes on College farm. Eddy, N. M., August 14th, 1891. From F. E. Downs.

Galeruca (*Trirhabda* ?) *nitidicollis*, Lec.—Squaw Spring (south of Navajo Springs), Arizona, July 24th, 1892. A large number found on *Gutierrezia microcephala*, all adults. They were observed eating the leaves. *In coitu* at this date.

Galeruca notata, Fab.—Belen, N. M., August 7th. In numbers on *Helianthus annuus*, eating the leaves.

Oedionychis scalaris, Melsh.—Grand Canon, Arizona. Hance trail, toward rim. July 12th, 1892. Quite numerous on leaves of a bush. A very active flea-beetle, straw-coloured with five black dots on each elytron.*

Halitica obliterata, Lec.—Grant County, N. M. (W. J. H.); one.

Phyllotreta pusilla.—Santa Fé, N. M., May 25th, 1892. Received from Mr. J. R. DeMier, with report that they were very destructive to cabbages. A small dark greenish flea-beetle.

Octotoma marginicollis, Horn.—Grand Canon, Arizona. Hance trail. July 10th and 11th, 1892; four.*

Chelymorpha phytophagica, Cr.—Las Cruces, N. M., June 29th, 1891. On *Helianthus annuus*. A fine large black and red species.

Bruchus pauperculus, Lec.—Las Cruces, N. M.

Bruchus, sp.—Las Cruces, N. M. Bred from pods of tornillo (*Prosopis pubescens*). Pods were gathered in November, and the beetle issued in March following. Many more issued later.

Epitragus canaliculatus, Say.—La Vega de San José, N. M., August 4th; two.

Cryptoglossa laevis, Lec.—Grant County, N. M. (W. J. H.) Also Las Cruces, N. M. (See Insect Life, V., 39-40.)

Microschatia morata, Horn.—Grant County, N. M. (W. J. H.); one. A stout tenebrionid, wholly light brownish in colour.

Asida sordida, Lec.—Grant County, N. M. (W. J. H.); one. A blackish-brown tenebrionid, with rough elytra. Another specimen from same source is smaller and narrower, and constitutes a variety of this species.

Asida obovata, Lec.—La Vega de San José, N. M., August 4th; one. A black tenebrionid, with the body widened behind. Also one from Grant County, N. M. (W. J. H.), which differs in having the elytra rufous.

Eusattus reticulatus, Say.—Winslow, Arizona, June 29th; two. One from Grant County, N. M. (W. J. H.)

Eusattus muricatus, Lec.—Winslow, Arizona, June 29th; one.

Eleodes caudifera, Lec.—Winslow, Arizona, June 29th; two.

Trogloclerus costatus, Lec.—Winslow, Arizona, June 29th; one. This is a blackish tenebrionid with grooved elytra.

Hymenorus punctatissimus, Lec.—Las Cruces, N. M., July 8th, 1891. Found a good many larvæ, probably this species, in burrows

of *Diatraea saccharalis* in growing stalks of corn on College farm, the burrows containing dead chrysalids of the *Diatraea*. Adult beetles of this species were found in numbers with them in the burrows. July 16th, 1891. Large numbers of the beetles found in sheaths of sorghum infested with aphides, on College farm.

Oxaxis pallida, Lec.—Winslow, Arizona, July 19th to 20th; two.

Myodites scaber, Lec.—Chaves, N. M., August 6th, 1892; two.*

Ophryastes tuberosus, Lec.—Grant County, N. M. (W. J. H.), one. A chunky grayish weevil, with prothorax warted on outer edges.

Eupagoderes decipiens, Lec.—Grand Canon, Arizona. Hance trail. July 11th, 1892; one.*

Eupagoderes desertus, Horn.—Winslow, Arizona, June 29th, 1892. A pair in coitu. The antennæ of both were infested with a small red mite. Large whitish gray rhynchophor. On plant No. 290, N. Mex. College Herbarium.*

Cyphus lautus, Lec.—Grand Canon, Arizona. Hance trail, near rim of canon, July 12th, 1892; one. A small grayish curculionid.*

Otiiorhynchid gen. et. sp. ?.—Continental Divide, Tenaja, N. M., August 2nd, 1892; one.

Sitones californicus, Fah.—Las Cruces, N. M.; one.

Anthonomus canus, Lec.—Apache Spring, Socorro County, N. M. A small grayish weevil. Bred from galls of *Eurosta bigeloviae* on *Bigelovia graveolens* collected June 21st, 1892. (See CAN. ENT.; 1893, p. 52.)

Tychius setosus, Lec.—Las Cruces, N. M. A single specimen beaten from mesquite (*P. juliflora*), three miles south of Mesilla, May 16th, 1891. This is a minute rhynchophor.

Scyphophorus acupunctatus, Gyll.—Grant County, N. M. (W. J. H.); one.

Rhodobaenus pustulosus, Gyll.—Grant County, N. M. (W. J. H.); one. Much resembles *13-punctatus*. Brick-reddish in colour.